



PTO/SB/08a/b (08-03)

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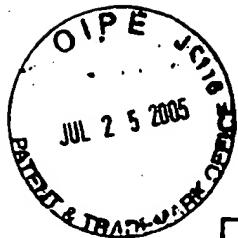
Substitute for form 1449A/B/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/978,134-Conf. #4196
(Use as many sheets as necessary)				Filing Date	October 15, 2001
				First Named Inventor	Bradford E. Gliner
				Art Unit	3762
				Examiner Name	R. D. Bradford
Sheet	1	of	3	Attorney Docket Number	337348021US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/		US-2003-0149457-A1	08-07-2003	Tcheng et al.	
		US-2003-0187490	10-02-2003	Gliner	
		US-2004-0138550-A1	07-15-2004	Andreas Hartlep	
		US-2004-0158298	08-12-2004	Bradford Gliner	
		US-4,431,000	12-14-1984	Butler et al.	
		US-5,314,458	05-24-1994	KHALIL NAJAFI	
		US-6,366,813	04-02-2002	DiLorenzo	
		US-6,405,079	06-11-2002	Mehdi Ansarinia	
		US-6,499,488	12-31-2002	Mark Hunter	
		US-6,687,525	05-09-2002	Rodolfo Liinas	
/GM/		US-6,795,737-A1	09-21-2004	Gary King	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/		EP-EP 0 998 958-A2	10-05-2000	Medtronic, Inc.	
		EP-EP 1 145 736	10-17-2001	Neuropace	
		WO-01/97906	12-27-2001	Advanced Bionics Corp	
		WO-03/043690	05-30-2003	Vertis Neuroscience, Inc.	
		WO-02/09811	02-07-2002	Neuropace, Inc.	
		WO-98/06342	02-19-1998	Neotonus, Inc.	
		WO-03/082402	03-26-2003	Vertis Neuroscience, Inc.	
		WO-02/36003	05-10-2002	Neuropace, Inc.	
		WO-95/21591	08-17-1995	University of Iowa Research Foundation	
/GM/		WO-02/38031	05-16-2002	Neuropace, Inc.	

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/GM/		BENABID, A.L. et al, "Chronic electrical stimulation of the ventralis intermedius nucleus of the thalamus as a treatment of movement disorders," J. Neurosurg., April 1997, 86(4); 737; http://www.ncbi.nlm.nih.gov ; [accessed 11/18/2003]			
		HUMMEL, Friedhelm et al., "Effects of non-invasive cortical stimulation on skilled motor function in chronic stroke," Brain Advance Access, January 5, 2005, pp 1-10, Brain			
		International Search Report for Application No. PCT/US02/07077; Applicant: Vertis Neuroscience, Inc., October 22, 2002, 7 pgs.			
/GM/		International Search Report for PCT/US02/31112; December 2002; Applicant: Vertis			
Examiner Signature	/George Manuel/			Date Considered	04/28/2007



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/GM/		BEHRENS, T. et al., "Non-invasive mapping of connections between human thalamus and cortex using diffusion imaging," <i>Nature neuroscience</i> , Vol 6, No. 7, pp 750-757, July 2003		
		Chapter 18/ <i>The Functional Organization of Perception and Movement</i> , pg 347		
		Color Picture of the Brain (1 pg) date unknown		
		DI LAZZARO, V. et al., "Theta-burst repetitive transcranial magnetic stimulation suppress specific excitatory circuits in the human cortex," <i>Physiology in Press</i> ; published online on April 21, 2005 as 10.1113/physiol.2005.087288		
		KILGARD, Michael et al., "Cortical Map Reorganization Enabled by Nucleus Basalis Activity," <i>Science</i> , Vol 279, pp 1714-1717, March 13, 1998		
		LAZAR, M. et al., "White Matter Tractography Using Diffusion Tensor Deflection," <i>Human Brain Mapping</i> , 18:306-321 (2003)		
		Part IV/The Neural Basis of Cognition, page 342		
		STRENS, Lucy et al., "The Ipsilateral Human Motor Cortex Can Functionally Compensate for Acute Contralateral Motor Cortex Dysfunction," <i>Current Biology</i> , Vol 13, pp 1201-1205, July 15, 2003		
↓		TSUBORKAWA, T., "Chronic Motor Cortex Stimulation in Patients with Thalamic Pain," <i>J. Neurosurg</i> 78:393-401, March 1993		
/GM/		TUCH, D. et al., "Conductivity Tensor Mapping of the Human Brain Using Diffusion Tensor MRI," <i>Neurobiology</i> , Vol. 98, No. 20, pp. 11697-11701, September 25, 2001		

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(Use as many sheets as necessary)

				Complete If Known
				Application Number 09/978,134-Conf. #4196
				Filing Date October 15, 2001
				First Named Inventor Bradford E. Gliner
				Art Unit 3762
				Examiner Name R. D. Bradford
Sheet	1	of	2	Attorney Docket Number 337348021US

U.S. PATENT DOCUMENTS

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/GM/		US-2003-0114886-A1	06-19-2003	Bruce Gluckman	
		US-2003-0187491-A1	10-02-2003	Greenberg et al.	
		US-20030125772-A1	05-04-2004	Olson et al.	
		US-20030176901-A1	09-18-2003	May	
		US-2004-0243205-A1	12-02-2004	Keravel et al.	
		US-20040236388-A1	11-25-2004	Gielen et al.	
		US-20050004620-A1	01-06-2005	Singhal et al.	
		US-20050015129-A1	01-20-2005	Mische	
		US-20050096701-A1	05-05-2005	Donovan et al.	
		US-20050113882-A1	05-26-2005	Cameron et al.	
		US-20050119712-A1	06-02-2005	Shafer	
		US-4,474,186	10-02-1984	Ledley et al.	
		US-5,121,754	06-16-1992	Mullett	
		US-5,299,569	04-05-1994	Wernicke et al.	
		US-5,406,957	04-18-1995	Tansey	
		US-5,522,864	06-04-1996	Wallace et al.	
		US-5,674,251	10-07-1997	Combs et al.	
		US-5,713,922	02-03-1998	GARY W. KING	
		US-5,772,591	06-30-1998	JEFFREY R. CRAM	
		US-6,006,124	12-21-1999	ROBERT E. FISCHELL	
		US-6,035,238	03-07-2000	Jarding et al.	
		US-6,128,538	10-03-2000	ROBERT E. FISCHELL	
		US-6,205,360	03-20-2001	Carter et al.	
		US-6,221,908	04-24-2001	MICHAEL P. KILGARD	
		US-6,301,493	10-09-2001	Marro et al.	
		US-6,339,725	01-15-2002	Naritoku et al.	
		US-6,375,666	04-23-2002	Mische	
		US-6,487,450	11-26-2002	Chen	
		US-6,505,075	01-07-2003	Weiner	
		US-6,507,755	01-14-2003	Gozani et al.	
		US-6,665,562-A1	12-16-2003	Gluckman et al.	
	↓	US-6,764,498-A1	07-20-2004	Mische	
		US-6,782,292-A1	08-24-2004	Whitehurst	
/GM/		US-6,810,286-A1	10-26-2004	Donovan et al.	

FOREIGN PATENT DOCUMENTS

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/GM/		EP-1180056	09-02-2000	Winder		
/GM/		WO-02/38217	05-16-2002	Neuropace, Inc.		

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1 Attorney Docket Number 337348021US

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		Number-Kind Code ² (# known)			
GM		US-2716226	8/23/1955	Jonas	
		US-4308868	1/5/1982	Jhabvala	
▼		US-5303705	4/19/1994	Nenov	
		US-5618531	4/8/1997	Cherksey	
GM		US-5871517	2/16/1999	Abrams et al.	

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GM		BEVERIDGE, J. A., "Use of Exogenous Electric Current in the Treatment of Delayed Lesions in Peripheral Nerves," Plastic and Reconstructive Surgery, October 1988, Vol. 82, No. 4, pages 573-579.	
GM		MENDONCA, A.C., "Directly applied low intensity direct electric current enhances peripheral nerve regeneration in rats," Journal of Neuroscience Methods, 2003, Vol. 129, pages 183-190.	
GM		POLITIS, M. J., "Mammalian Optic Nerve Regeneration Following the Application of Electric Fields," The Journal of Trauma, November 1988, Vol. 28, No. 11, pages 1548-1552.	

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		Application Number	09/978,134-Conf. #4196
		Filing Date	October 15, 2001
		First Named Inventor	Bradford E. Gliner
		Art Unit	3782
		Examiner Name	G. C. Manuel
Sheet	1	of	1
		Attorney Docket Number	337348021US

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		Number-Kind Code ² (if known)			
GM	US-6539263		3/25/2003	Schiff et al.	
GM	US-7107097		9/12/2006	Stem et al.	

FOREIGN PATENT DOCUMENTS

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GM		CNN.com, Health, "Lab Zaps Strokes with Magnetic Pulses," http://www.cnn.com/2004/HEALTH/conditions/11/29/zapping.strokes.ap/ , Nov. 29, 2004, 4 pages [Retrieved on 12-02-2004].	

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GM		US-5,193,540	03-16-1993	Schulman et al.	

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GM		EP-0214527	03-18-1987	Minnesota Mining and Manufacturing Company	T ⁶

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GM		CINCOTTA et al., "Suprathreshold 0.3 Hz repetitive TMS prolongs the cortical silent period: potential implications for therapeutic trials in epilepsy," Clinical Neurophysiology, Volume 114, 2003, Pages 1827-1833, Elsevier Ireland Ltd.
		CRAMER et al., "Use of Functional MRI to Guide Decisions in a clinical Stroke Trial," Stroke, Journal of the American Heart Association, May 2005, pages e50-e52, American Heart Association, Dallas TX.
		FERRARI, A. et al., "Immature human NT2 cells grafted into mouse brain differentiate into neuronal and glial cell types," FEBS Letters, Dec. 8, 2000, Pages 121-125, Volume 486, No. 2, Elsevier Science B.V., Amsterdam.
		FREGNI et al., "Antiepileptic Effects of Repetitive Transcranial Magnetic Stimulation in Patients with Cortical Malformations: An EEG and Clinical Study," ASSFN Proceedings 2004, Stereotactic and Functional Neurosurgery, 2005, 83:57-62.
		HAGLUND, Michael M. et al., "Optical imaging of epileptiform and functional activity in human cerebral cortex," Nature, August 20, 1992, pages 668-671, Vol. 358, Nature Publishing Group.
		KELLY-SPRATT, K. "Transfection of PC-12 cells: a model system for primary neuronal cells," Qiagen News, Customer application article, www.qiagen.com , Issue 4, 1998, 2 pages.
		KIMURA, K. et al., "Electrically induced neurite outgrowth of PC12 cells on the electrode surface," Entrez PubMed, http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Retrieve&dopt=Abstract , 1 page.
		KINOSHITA et al., "Electric cortical stimulation suppresses epileptic and background activities in neocortical epilepsy and mesial temporal lobe epilepsy," Clinical Neurophysiology, Volume 116, 2005, pages 1291-1299, Elsevier Ireland Ltd.
		KOSSOFF et al., "Effect of an External Responsive Neurostimulator on Seizures and Electrographic Discharges during Subdural Electrode Monitoring," Epilepsia 45(12):1560-1567, 2004, Blackwell Publishing, Inc.
		LUTSEP et al., "Safety of Cortical Stimulation in Patients with Hemiparetic Stroke," Oasis, Online Abstract Submission and Invitation System - Program Planner, International Stroke Conference 2005, 1 pages, American Stroke Association.
		MISAWA et al., "Low-frequency transcranial magnetic stimulation for epilepsia partialis continua due to cortical dysplasia," Journal of the Neurological Sciences, Volume 234, 2005, Pages 37-39.
		MOTAMEDI et al., "Optimizing Parameters for Terminating Cortical Afterdischarges with Pulse Stimulation," Epilepsia 43(8):836-846, 2002, Blackwell Publishing, Inc.
		PRICE, J. et al., "Neurotransplantation in neurodegenerative disease: a survey of relevant issues in developmental neurobiology," Novartis Foundation Symposium 231, 2000, Pages 148-165, Wiley, Chichester, UK.
		SIOUTOS et al. "Continuous Regional Cerebral Cortical Blood Flow Monitoring in Head-injured Patients, Neurosurgery, Vol. 36, No. 5, May 1995, pages 943-949.
↓		The National Institutes of Health (NIH) Consensus Development Program, "Surgery for Epilepsy," National Institutes of Health Consensus Development conference Statement, March 19-21, 1990, 16 pages.
GM		VELASCO et al. "Absolute and Relative Predictor Values of Some Non-Invasive and Invasive Studies for the Outcome of Anterior Temporal Lobectomy," Science Direct, Volume 31, Issue 1, January-February 2000, pages 62-74, Elsevier Science, Inc.

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GM	VELASCO et al., "Acute and Chronic Electrical Stimulation of the Centromedian Thalamic Nucleus: Modulation of Reticulo-Cortical Systems and Predictor Factors for Generalized Seizure Control," Archives of Medical Research, Volume 31, 2000, Pages 304-315, Elsevier Science, Inc.	
	VELASCO et al., "Electrical Stimulation for Epilepsy: Stimulation of Hippocampal Foci," Stereotactic and Functional Neurosurgery, Vol. 77, 2001, Pages 223-227.	
	VELASCO et al., "Subacute and Chronic Electrical Stimulation of the Hippocampus on Intractable Temporal Lobe Seizures: Preliminary Report," Archives of Medical Research, Volume 31, 2000, Pages 318-328, Elsevier Science, Inc.	
	VELASCO et al., "Subacute Electrical Stimulation of the Hippocampus Blocks Intractable Temporal Lobe Seizures and Paroxysmal EEG Activities," Epilepsia, Volume 41, No. 2, 2000, Pages 158-169, Lippincott Williams & Wilkins, Philadelphia.	
	WAXMAN et al., "The Interictal Behavior Syndrome of Temporal Lobe Epilepsy," Arch Gen Psychiatry, Volume 32, Dec. 1975, Pages 1580-1586.	
	WEINAND et al., "Cerebral blood flow and temporal lobe epileptogenicity," J Neurosurg, Vol. 86, February 1997, pages 226-232.	
	WEINAND et al., "Cerebral blood flow and temporal lobe epileptogenicity," Neurosurgical Focus, November 1998, Volume 1, Number 5, AANS.ORG, http://www.aans.org/education/journal/neurosurgical/nov98/1-5-3.asp , 17 pages.	
	WEINAND et al., "Long-term ictal monitoring with subdural strip electrodes: prognostic factors for selecting temporal lobectomy candidates, J Neurosurg, Volume 77, 1992, Pages 20-28.	
	WEINAND et al., "Surface cortical cerebral blood flow monitoring and single photon emission computed tomography: prognostic factors for selecting temporal lobectomy candidates," Seizure, Vol. 3, 1994, Pages 55-59.	
	WEINAND et al., "Targeted Subthreshold Cortical Stimulation for Recovery of Motor Hand Function following Hemiparetic Stroke," Abstract: 2005 April 18, AANS.org, http://www.aans.org/Library/Article.aspx?ArticleId=24934 , 2 pages.	
↓	WOODBURY, D. et al., "Adult Rat and Human Bone Marrow Stromal Cells Differentiate into Neurons," Journal of Neuroscience Research, 2000, Volume 61, Pages 364-370, Wiley Interscience, New York, NY.	
GM	YAMAMOTO et al., "Low-frequency Electric Cortical Stimulation Has an Inhibitory Effect on Epileptic Focus in Mesial Temporal Lobe Epilepsy," Epilepsia, Volume 43, No. 5, 2002, Pages 291-295, Blackwell Publishing, Inc.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/978,134-Conf. #4196
(Use as many sheets as necessary)				Filing Date	October 15, 2001
				First Named Inventor	Bradford E. Gliner
				Art Unit	3762
				Examiner Name	G. C. Manuel
Sheet	1	of	1	Attorney Docket Number	337348021US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
GM		US-5,707,334	01-13-1998	Young	
GM		US-5,769,778	06-23-1998	Abrams et al.	
GM		US-6,591,138	07-08-2003	Fischell et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	09/978,134-Conf. #4196
Sheet	1	of	3	Filing Date	October 15, 2001
				First Named Inventor	Bradford E. Gliner
				Art Unit	3762
				Examiner Name	G. C. Manuel
				Attorney Docket Number	337348021US

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
GM		US-2004-0088024	5/6/2004	Firlik et al.	
		US-2005-0182453	8/18/2005	Whitehurst	
		US-5750376	5/12/1998	Weiss et al.	
		US-5916171	6/29/1999	Mayevsky	
		US-6057846	5/2/2000	Sever, Jr.	
		US-6095148	08/01/2000	Shastri et al.	
		US-6190893	2/20/2001	Shastri et al.	
		US-6319241	11/20/2001	King et al.	
		US-6456886	9/24/2002	Howard, III et al.	
		US-6529774	3/4/2003	Greene	
		US-6569654	05/27/2003	Shastri et al.	
		US-6684105	1/27/2004	Cohen et al.	
		US-6708064	3/16/2004	Rezai	
		US-6788975	9/7/2004	Whitehurst et al.	
GM		US-6944501	9/13/2005	Pless	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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GM		BEZARD et al., "Cortical Stimulation and Epileptic Seizure: A Study of the Potential Risk in Primates," <i>Neurosurgery</i> , Vol. 45, No. 2, August 1999, 346-350.			
GM		BINDER, J. M.D., "Functional-Magnetic Resonance Imaging: Language Mapping," <i>Neurosurgery Clinics of North America</i> , Volume 8, Number 3, July 1997, pages 383-392.			
GM		CICINELLI et al., "Transcranial magnetic stimulation reveals an interhemispheric asymmetry of cortical inhibition in focal epilepsy," <i>Neurophysiology</i> , Vol. 11, No. 4 March 20, 2000, pages 701-707.			

Examiner Signature	/George Manuel/	Date Considered	02/27/2007
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PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				<i>Complete if Known</i>	
				Application Number	09/978,134-Conf. #4196
				Filing Date	October 15, 2001
				First Named Inventor	Bradford E. Gliner
				Art Unit	3762
				Examiner Name	R. D. Bradford
Sheet	2	of	3	Attorney Docket Number	337348021US

/GM/	Neuroscience, Inc. (7 pgs)	
	International Search Report for PCT/US02/31127; July 2003; Applicant: Vertis Neuroscience, Inc. (3 pgs)	
	International Search Report for PCT/US02/31128; September 2002; Applicant: Vertis Neuroscience, Inc. (6 pgs)	
	International Search Report for PCT/US03/03678; July 2003; Applicant: Northstar Neuroscience, Inc. (4 pgs)	
	International Search Report for PCT/US03/39077; May 2004; Applicant: Northstar Neuroscience, Inc. (3 pgs)	
	International Search Report for PCT/US03/39078; May 2004; Applicant: Northstar Neuroscience, Inc. (5 pgs)	
	LANG, Nicolas et al., "Preconditioning with Transcranial Direct Current Stimulation Sensitizes the Motor Cortex to Rapid-Rate Transcranial Magnetic Stimulation and Controls the Direction of After-Effects," <i>Biol Psychiatry</i> 2004;56:634-639, 2004 Society of Biological Psychiatry	
	NITSCHE, Michael A. et al., "Level of action of cathodal DC polarisation induced inhibition of the human motor cortex," December 2, 2002, <i>Clinical Neurophysiology</i> 114 (2003) 600-604	
	NITSCHE, Michael A., et al. "Facilitation of Implicit Motor Learning by Weak Transcranial Direct Current Stimulation of the Primary Motor Cortex in the Human," <i>Journal of Cognitive Neuroscience</i> 15:4, pp 619-626, 2003 Massachusetts Institute of Technology	
	PAULUS, W, "Supplements to Clinical Neurophysiology," <i>Transcranial Magnetic Stimulation and Transcranial Direct Current Stimulation (Supplements to Clinical Neurophysiology, Vol 56)</i> , pp 249-254, 2003 Elsevier Science, B.V	
	Written Opinion for PCT/US02/07077; July 2003; Applicant: Vertis Neuroscience, Inc. (4 pgs)	
	Written Opinion for PCT/US02/31112; August 2003; Applicant: Vertis Neuroscience, Inc. (5 pgs)	
↓	Written Opinion for PCT/US02/31127; May 2003; Applicant: Vertis Neuroscience, Inc. (2 pgs)	
	Written Opinion for PCT/US02/32695; June 2003; Applicant: Vertis Neuroscience, Inc. (2 pgs)	
/GM/	Written Opinion for PCT/US03/03678; December 2003; Applicant: Northstar Neuroscience, Inc. (4 pgs)	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	09/978,134-Conf. #4196
				Filing Date	October 15, 2001
				First Named Inventor	Bradford E. Gliner
				Art Unit	3762
				Examiner Name	R. D. Bradford
Sheet	1	of	1	Attorney Docket Number	337348021US

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/GM/		US-2002-0077670	06-20-2002	Stephen Archer	
		US-2002-0099412	07-25-2002	David Fischell	
		US-2002-0169485	11-14-2002	Benjamin Pless	
		US-5,224,491	07-06-1993	RAHUL MEHRA	
		US-5,255,678	10-26-1993	ANTOINE DESLAURIERS	
		US-5,423,864	06-13-1995	JAN LJUNGSTROEM	
		US-5,722,401	03-03-1998	SUSAN M. PIETROSKI	
		US-5,913,882	06-22-1999	GARY WILLIAM KING	
		US-5,938,689	08-17-1999	ROBERT E. FISCHELL	
		US-6,006,124	12-21-1999	ROBERT E. FISCHELL	
		US-6,016,449	01-18-2000	ROBERT E. FISCHELL	
		US-6,128,538	10-03-2000	ROBERT E. FISCHELL	
		US-6,134,474	10-17-2000	Robert Fischell	
		US-6,161,045	12-12-2000	ROBERT E. FISCHELL	
		US-6,353,754	03-05-2002	David Fischell	
		US-6,354,299	03-12-2002	David Frischell	
		US-6,360,122	03-19-2002	Robert Fischell	
		US-6,418,344	01-01-2001	Ali Rezai	
		US-6,427,086	07-30-2002	Robert Fischell	
		US-6,459,936	12-27-2001	Robert Fischell	
		US-6,466,822	10-15-2002	Benjamin Pless	
		US-6,473,568	03-07-2002	Ritsuo Kashiyama	
		US-6,473,639	10-29-2002	David Fischell	
		US-6,480,743	11-12-2002	Bruce Kirkpatrick	
✓		US-6,690,974	06-20-2002	Stephen Archer	
		US-60/325,872		Sheffield	
/GM/		US-60/325,978		Gliner	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
/GM/		WO 94/07564	04-14-1994	Cardiac Pacemakers, Inc.		

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 INFORMATION DISCLOSURE STATEMENT BY APPLICANT OCT 28 2003 Form PTO-1449 (Modified) (Use several sheets if necessary)				COMPLETE IF KNOWN	
				Application Number	09/978,134
				Confirmation Number	4196
				Filing Date	October 15, 2001
				First Named Inventor	Bradford Evan Gliner
				Group Art Unit	3762
				Examiner Name	Roderick D. Bradford
Sheet	1	of	1	Attorney Docket No.	33734-8021WO
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		Office	NUMBER	Kind Code (If known)			
/GM/		PCT	WO 03/043690		Vertis Neuroscience, Inc.	05/30/03	
/GM/		PCT	WO 03/082402		Vertis Neuroscience, Inc.	03/26/03	

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Application Number	09/978,134
Confirmation Number	4196
Filing Date	10/15/01
First Named Inventor	Bradford Evan Gliner
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348021US

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R.-D.	CY	SIEBNER et al., "Lasting cortical activation after repetitive TMS of the motor cortex," NEUROLOGY 54, pp. 956-963 (February 2000)	L
R.-D.	CZ	ZIEMANN et al., "Modulation of Plasticity in Human Motor Cortex after Forearm Ischemic Nerve Block," The Journal of Neuroscience, Vol. 18, No. 3, pp. 1115-1123 (February 1998)	K